

Figure 1

2/33

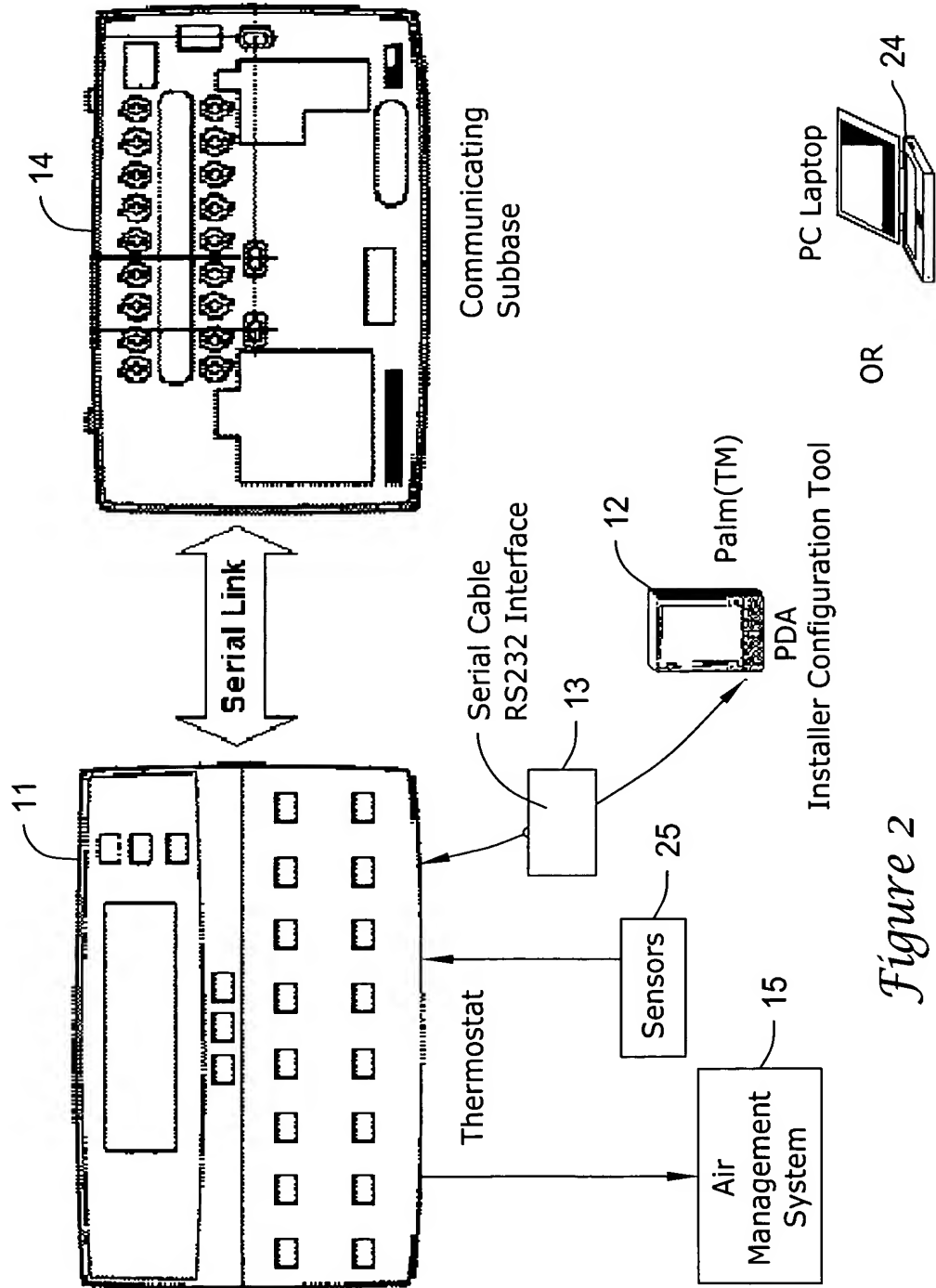


Figure 2

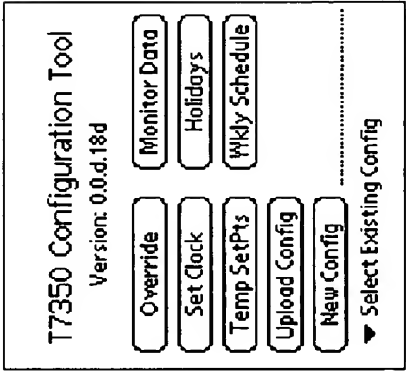


Figure 3A

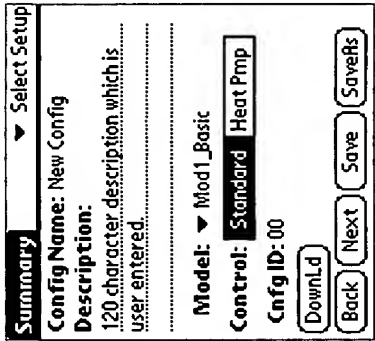


Figure 3B

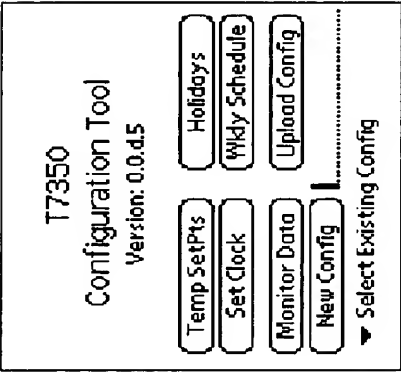


Figure 4A

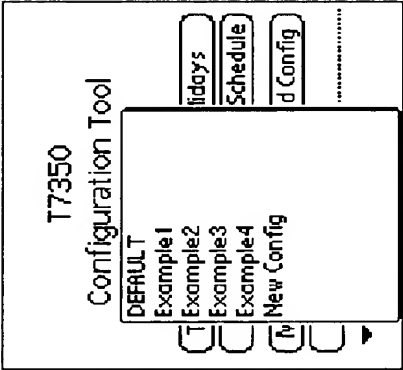


Figure 4B

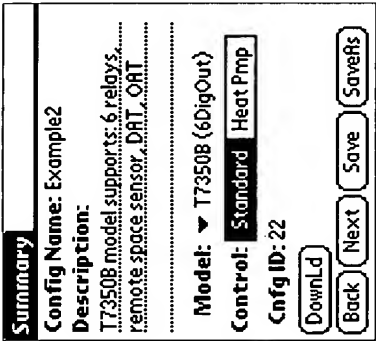


Figure 4C

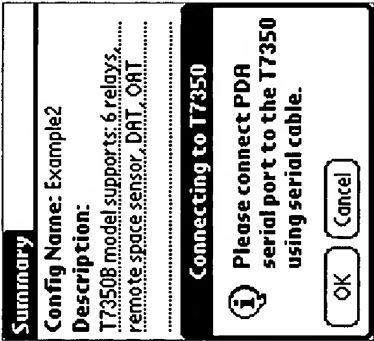


Figure 4D

T7350 Configuration Tool

Version: 0.0.d.18d

Override

Set Clock

Temp SetPts

Upload Config

New Config

Select Existing Config

Monitor Data

Holidays

Wkly Schedule

Figure 5A

Summary

Select Setup

Config Name: New Config

Description: 120 character description which is user entered

Model: Mod1\_Basic

Control: Standard Heat Pmp

Cnfg ID: 00

DownLd

Back

Next

Save

Savefts

Figure 5B

Summary

Config Name: New Config

Description:

Connecting to T7350

Please connect PDA serial port to the T7350 using serial cable.

OK

Cancel

Figure 5C

T7350 Configuration Tool

Version: 0.0.d.18d

Override

Set Clock

Temp SetPts

Upload Config

New Config

Select Existing Config

Monitor Data

Holidays

Wkly Schedule

Figure 6A

T7350 Configuration Tool

Version: 0.0.d.5

Connecting to T7350

Please connect PDA serial port to the T7350 using serial cable.

OK

Cancel

Figure 6B

Summary

Select Setup

Config Name: XYZ

Description: Customer XYZ summary information

Model: Mod1\_Basic

Control: Standard Heat Pmp

Cnfg ID: 00

DownLd

Back

Next

Save

Savefts

Figure 6C

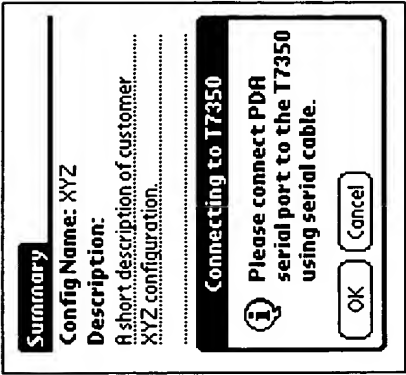


Figure 6D

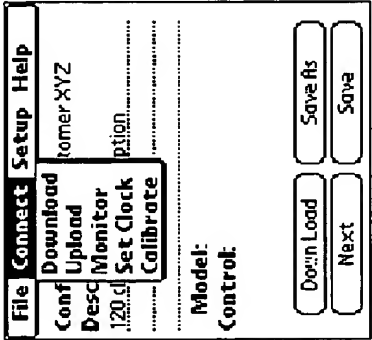


Figure 7A

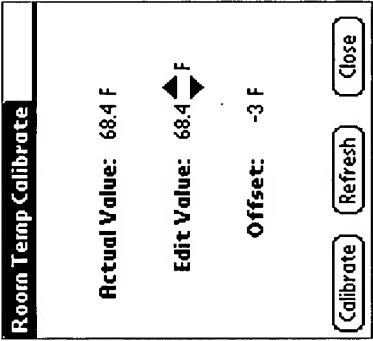


Figure 7B

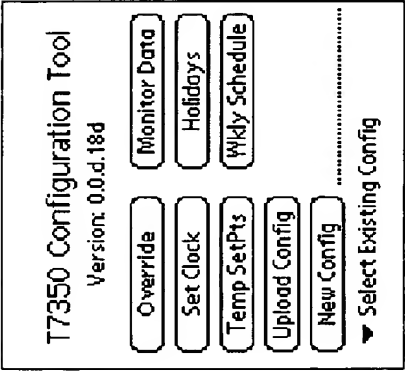


Figure 8A

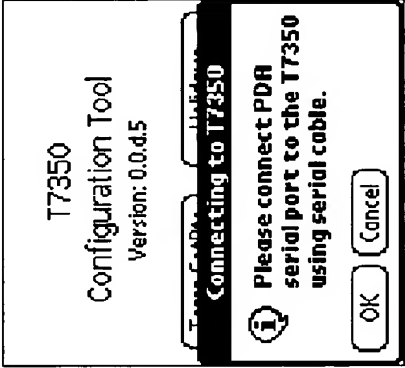


Figure 8B

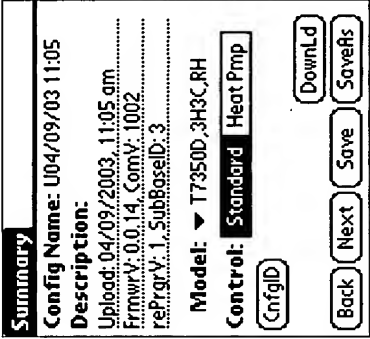


Figure 8C

T7350 Configuration Tool

Version: 0.0.d.18d

Override

Monitor Data

Set Clock

Holidays

Temp SetPts

Wkly Schedule

Upload Config

New Config

Select Existing Config

Figure 8D

Summary

Config Name: Example3

Description:  
T7350C SmartStat supports: 6  
Relays, remote space sensor, DAT,  
OAT, RH, Occ sensor

Model: ▼ T7350C (dDigOut+RH)

Control: Standard Heat Pmp

Cnfg ID: 23

DownLd

Back

Next

Save

SaveAs

Figure 9A

Outputs

RanDO:  
Time of Day  
Economizer  
Dehumid Hot Gas BP  
Simple Dehumid

Back

Next

Figure 9C

Monitor Data

SubBaseID: T7350D,3H3C,RH

FirmwareVersion: 0.0.19

Room Temperature: 79.2 F

EffectiveSetPoint: 75.0 F

RoomRH: 31 %

Dehumidification: Off

DischargeAir Temp: 70.3 F

Update

Close

Figure 8E

Inputs

Room Temp: Local Remote Rmt+StPt

Room Rel Humidity: Local Remote

Occ Sensor: None Remote

Discharge Air Temp: None Remote

Outdoor Air Temp: None Remote

Back

Next

Figure 9B

Cooling Config

Stages: 0 1 2 3

Cooling Response: Std 3 gph Fast 4 gph

☒ Enable OAT Lockout  
OAT SetPt 35 F

☒ Enable DAT Low Limit  
DAT SetPt 45 F

Back

Next

Figure 9D

Heating Config

Stages: 0123

Heating Std 3cph Med 6cph

Response: Fast 9cph FastII20cph

☒ Enable OAT Lockout

OAT SetPt 70 F

☒ Enable DRT High Limit

DRT SetPt 110 F

Back

Next

Figure 9E

Weekly Schedule

Select New Schedule

SaveIs

Delete

Modify

MON 08:00 am OCC  
--- 10:00 pm UNOCC  
TUE 08:00 am OCC  
--- 10:00 pm UNOCC  
WED 08:00 am OCC  
--- 10:00 pm UNOCC  
THU 08:00 am OCC

Back

Next

Download

Figure 9G

SetPoints

Heating

Cooling

Occupied 70 75 F

Standby 67 78 F

UnOcc 55 85 F

Occupied 55 85 F

SetPt Stops

TempOverride: 3 Hrs

Back

Next

Download

Figure 9I

Fan

FanSwitch: On Auto

FanOperation: Conventional Electric Heat

Heat: No Extended Op Extend 90 sec

Cool: No Extended Op Extend 90 sec

Back

Next

Figure 9F

Modify Schedule

Day: Monday

Event# -- Mode -- -- Time --

1 Occupied 08:00 am

2 Unoccupied 10:00 pm

3 None 12:00 am

4 None 12:00 am

CopyDayTo

Sun Sat

M T W T F

OK

Figure 9H

Summary

Config Name: ExampleModelID

Description: T7350D model supports: 6 Relays, remote space sensor, DRT, OAT, RH, Occ sensor

Model: T7350D.3H3C.RH

Control: Standard Heat Pmp

ConfigID

Back

Next

Save

SaveIs

DownLd

Figure 9J

Summary

Config Name: ExampleModelD

Description:  
T7350D model supports 6 Relays,  
remote space sensor, DHT, OHT,  
RH, Occ sensor

Model: ▼ T7350D\_3H3C,RH

Control: Standard Heat Pmp

CnfgID

BackNextSaveDownLdSavefs

Figure 10A

File Com Set Sched Opt

Config Name: E

Wkly Sched  
Recovery  
Holiday  
DayLightSav

T7350D model sup  
remote space sens  
RH, Occ sensor

Model: ▼ T7350D\_3H3C,RH

Control: Standard Heat Pmp

CnfgID

BackNextSaveDownLdSavefs

Figure 10C

Dehumidification

High Limit: 65 %

Dehumid Options:  
☒ Min ON Time ▼ 5 min  
☒ Reheat  
☒ Reset Temp SetPt 1 F

Spin Speed  
1K 10K

OK

Figure 10E

File Com Set Sched Opt

Config Name: Home

Summary  
Inputs  
Outputs  
Cooling  
Heating  
Fan

Model: ▼

Control: SetPoints

CnfgID

BackNextSaveDownLdSavefs

Figure 10B

Display

Units: F C

Rm Temp: Display NoDisplay  
Occupied SetPoint Stops  
Min 55 F Max 85 F

Clock: AM/PM 24 hr

Key Pad: ▼ Enable All

SysSwitch: ▼ OFF

OK

Figure 10D

Energy Management

Demand Limit


Control Bump: 3 F













Power Failure  
Seq Start: ▼ 0 sec



OK



Figure 10F



**Loop Tuning** 

Heating		Cooling	
TR	7  	7  	F
IT	1650  	1650  	sec
DT	0  	0  	sec


Anticipator Authority: 4   F

















Apply To  

Spin Speed 1X 10X 100X

OK

Figure 10G

**Recovery** 

	Cool	Heat	
ORT@Min:	90  	0  	F
Ramp Min:	3  	5  	F/hr
ORT@Max:	70  	40  	F
Ramp Max:	6  	8  	F/hr

LeadTime -Cool- -Heat-  
MaxRange 1.8 to 3.5 2.0 to 3.1 hr








OK 



Figure 10H

**Day Light Saving**

Start Month:  Apr 

Start Day: FirstSun  

Stop Month:  Oct 

Stop Day: LastSun  



Spin Speed 1X 10X

OK

Figure 10I

**Holiday**

Select New Holiday Group

Saves  

New Years Day  
Jan 1, Dur:1  
Memorial Day  
May LastMon, Dur:1  
Independence Day  
Jul 4, Dur:1  
Labor Day






OK 



Figure 10J

**Modify Holiday**

New Years Day  
New Years Day

Start Month:  Jan 

Start Day: 1  

Duration: 1  Day 

Spin Speed 1X 10X

OK

Figure 10K

**Modify Holiday**

New Years Day  
Memorial Day  
Independence Day  
Labor Day  
Thanksgiving  
Christmas  
Hol 7  
Hol 8  
Hol 9  
Hol 10

Spin Speed 1X 10X

OK

Figure 10L

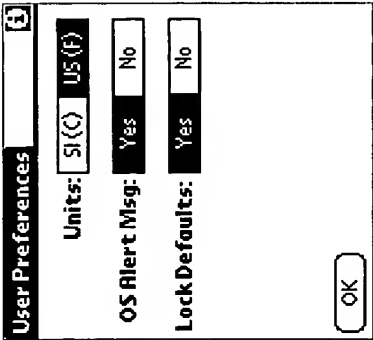


Figure 11A

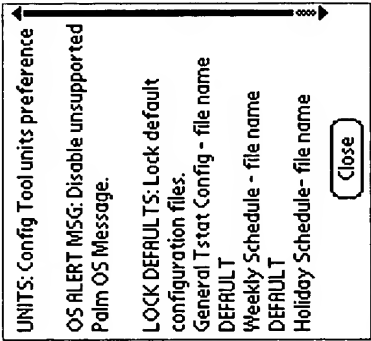


Figure 11B

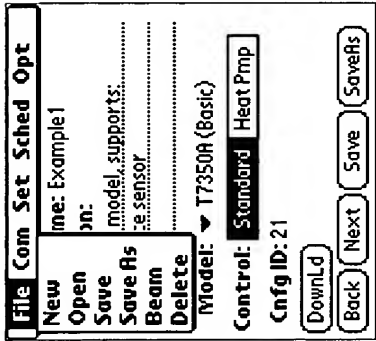


Figure 12A

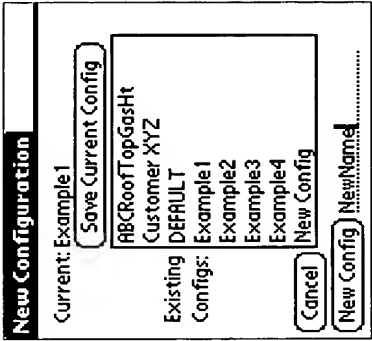


Figure 12B

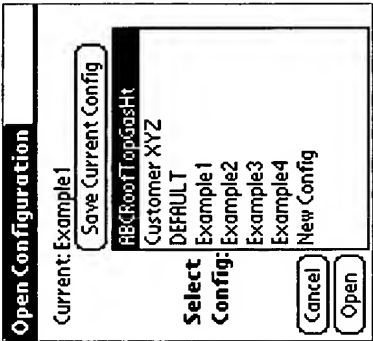


Figure 12C

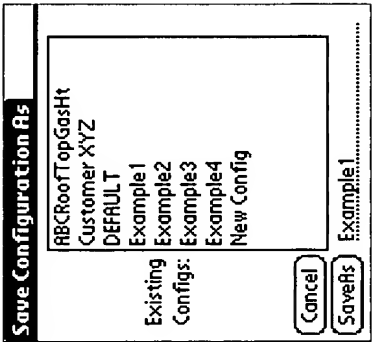


Figure 12D

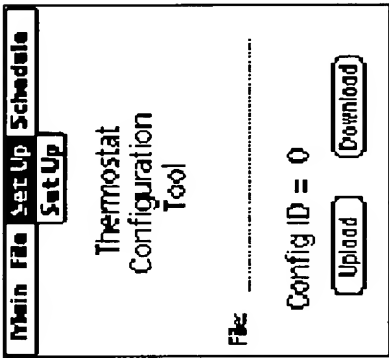


Figure 14C

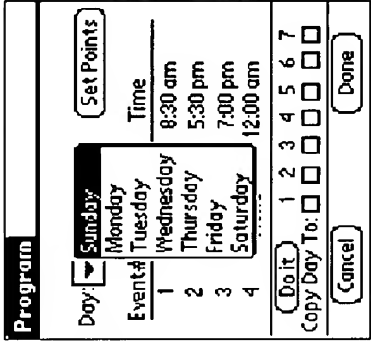


Figure 14D

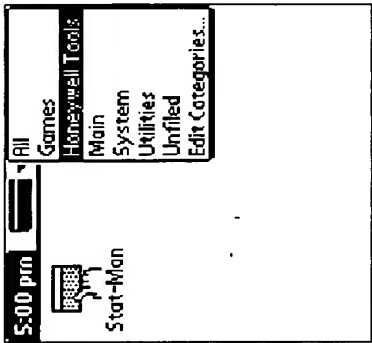


Figure 14A

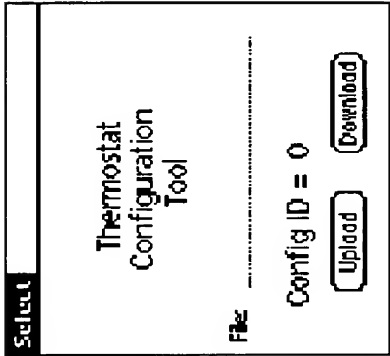


Figure 14B

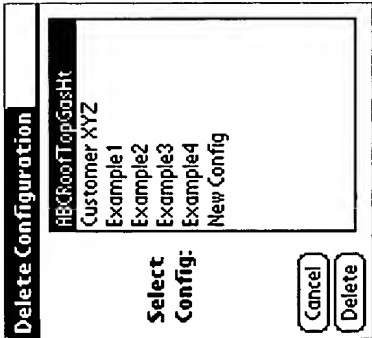


Figure 12E

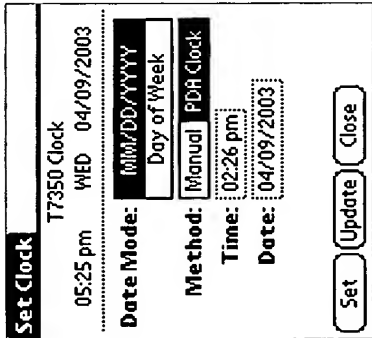


Figure 13

**Installer Set Up**

Temperature Units

Clock Format

Fan Behavior

Program From Keyboard

Figure 14I

**Set Up 2**

Heat Stages

Cool Stages

Energize Fan For

Sensor Location

Figure 14J

**Program**

Day:

Event#	Mode	Time
1	Occupied	8:30 am
2	Unocc	5:30 am

**Select Event Time**

8 : 3 0

Figure 14G

**Set Points**

	Cooling	Heating
Occupied	72	70
Standby	75	68
Unoccupied	80	60

Figure 14H

**Program**

Day:

Event#	Mode	Time
1	Occupied	8:30 am
2	Unocc	5:30 pm
3	Standby	7:00 pm
4	None	12:00 am

Figure 14E

**Program**

Day:

Event#	Mode	Time
1	None	3:30 am
2	Occupied	5:30 pm
3	Standby	2:00 am
4	Unocc	2:00 am

Figure 14F

13/33

**Load Program**

Choose File

- Standard 1
- Target
- Wendy's 1
- Standard 2
- K-Mart Heatpumps
- Pay-less Shoes

Cancel OK

Figure 14K

**Thermostat Configuration Tool**

File: Standard 1

Config ID = 0

Upload Download

Figure 14L

**Save To File**

Save the current Thermostat configuration as file name:

Cancel OK

Figure 14M

**Weekly Schedule**

Select New Schedule

SaveAs Delete Modify

- MON 08:00 am OCC
- TUE 08:00 am OCC
- WED 08:00 am OCC
- THU 08:00 am OCC

Back Next Download

Figure 14N

**Holiday**

Select New Holiday Group

SaveAs Delete Modify

- New Years Day
- Jan 1, Dur:1
- Memorial Day
- May LastMon, Dur:1
- Independence Day
- Jul 4, Dur:1
- Labor Day

OK Download

Figure 14O

**SetPoints**

	Heating	Cooling
Occupied	70	75 F
Standby	67	78 F
UnOcc	55	85 F
Occupied SetPt Stops	55	85 F

TempOverride: 3 Hrs

Back Next Download

Figure 14P

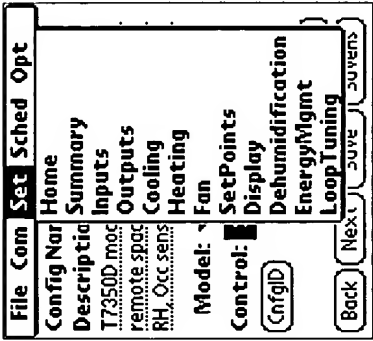


Figure 14Q

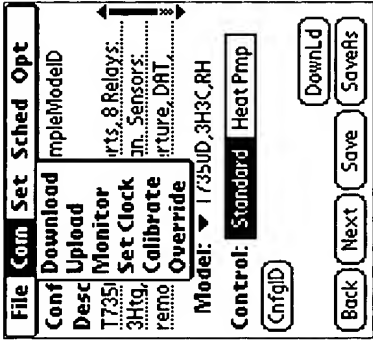


Figure 14S

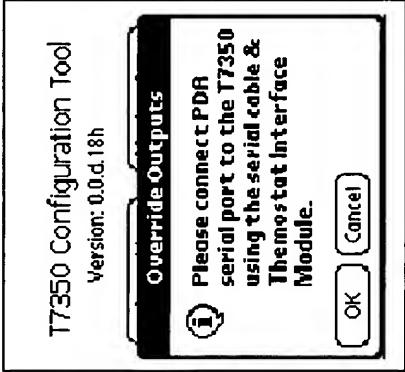


Figure 14U

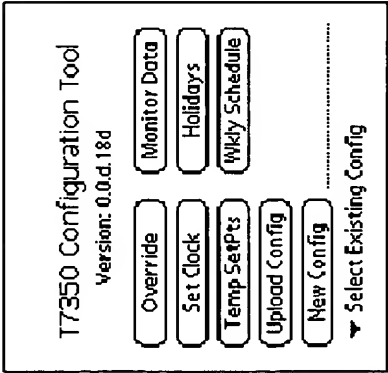


Figure 14R

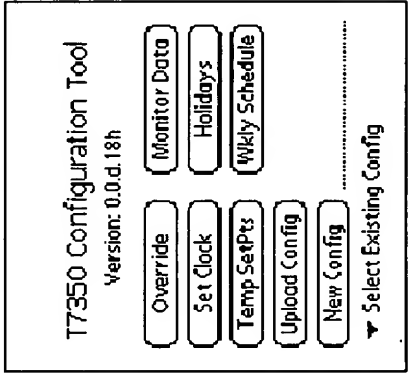


Figure 14T

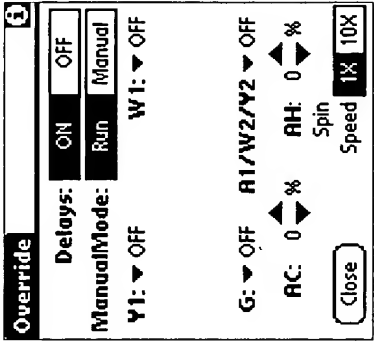


Figure 14V

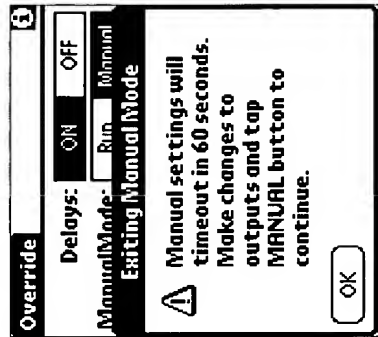


Figure 14Y

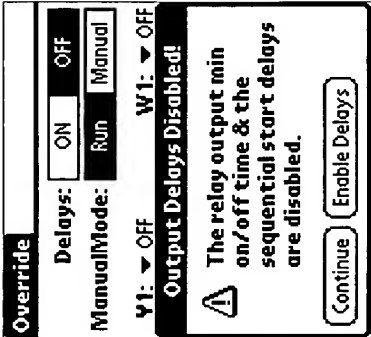


Figure 14Z

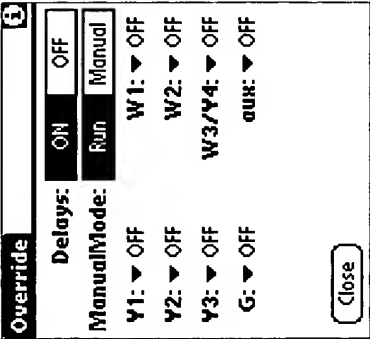


Figure 14W

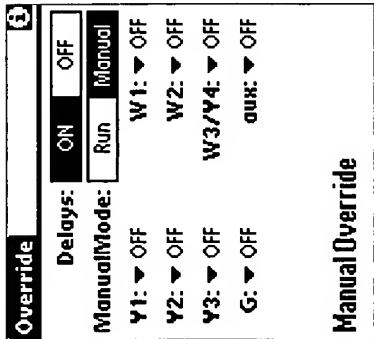
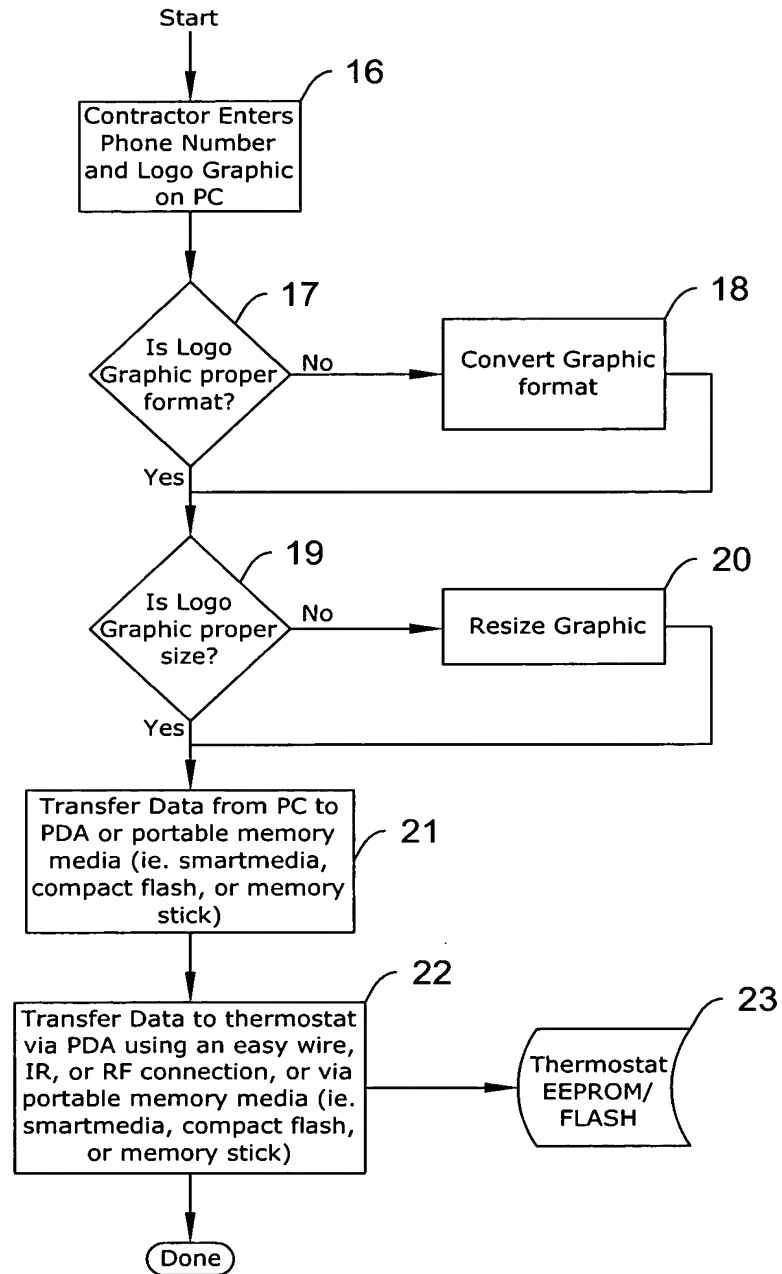


Figure 14X

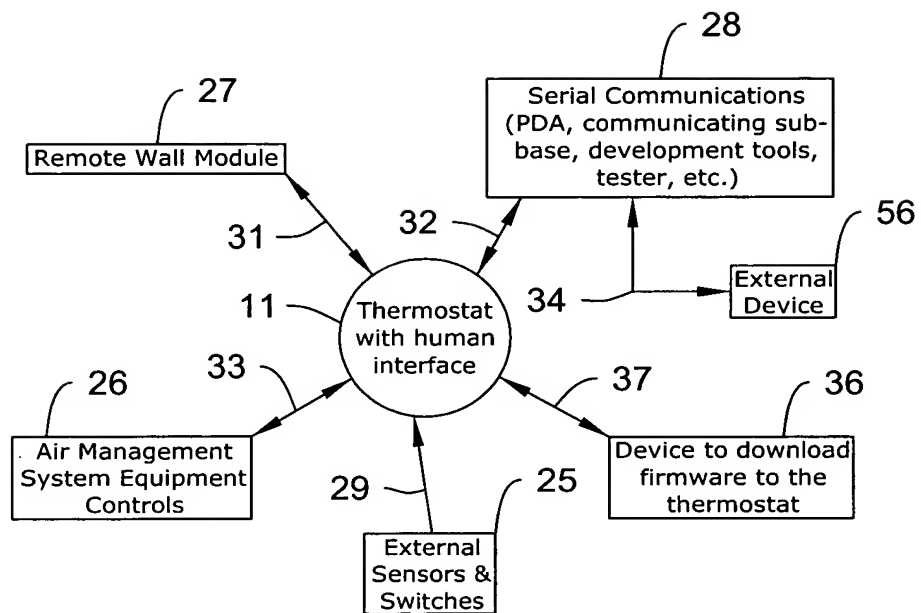
16/33



*Figure 15*



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*Figure 16*

18/33

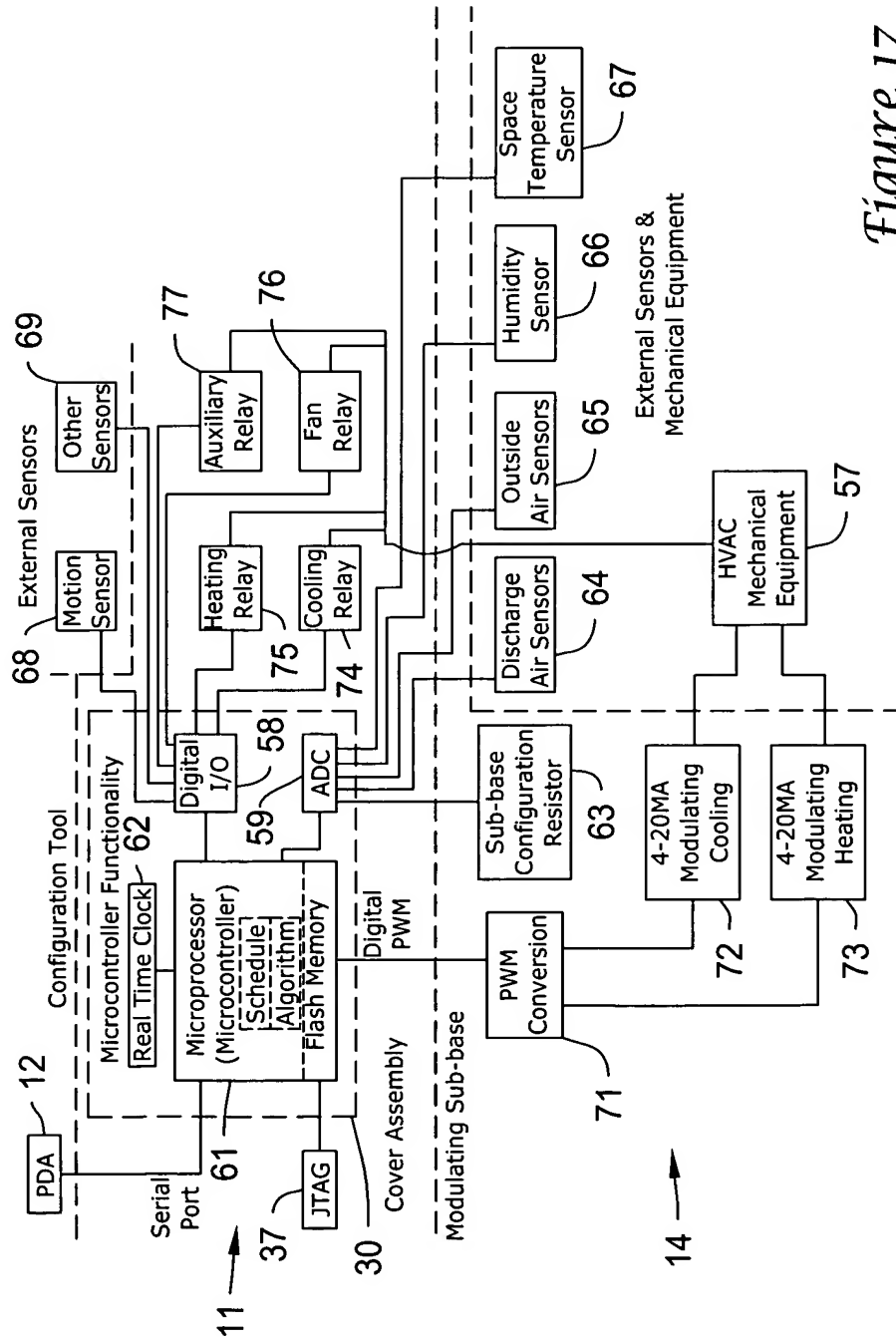


Figure 17

19/33

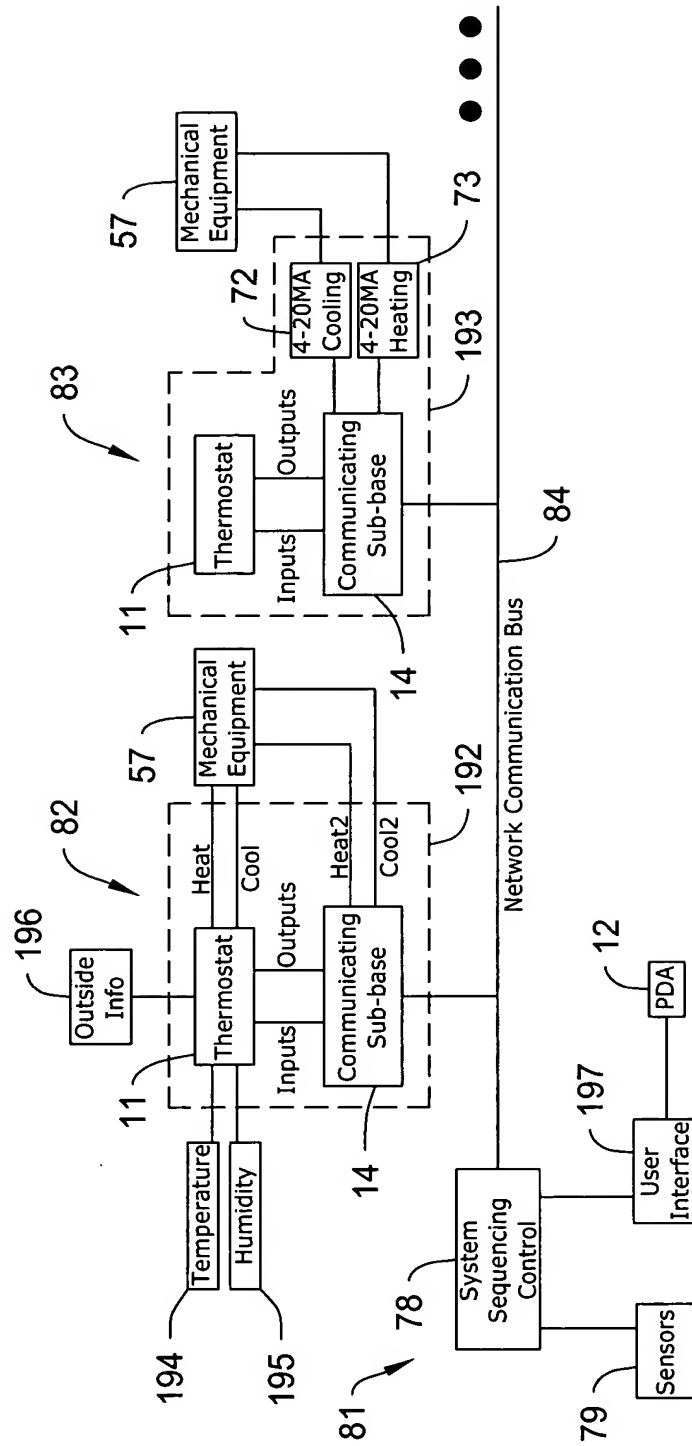


Figure 18

20/33

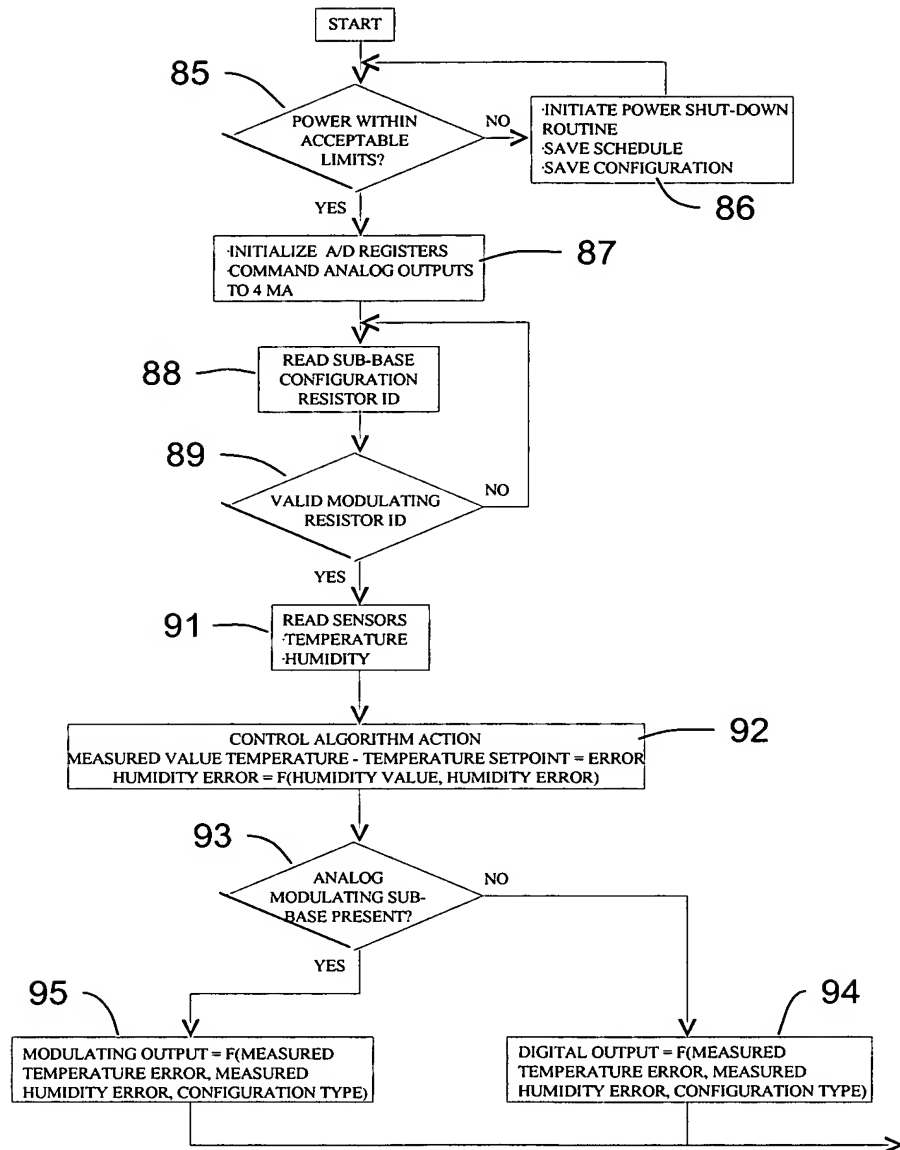


Figure 19

21/33

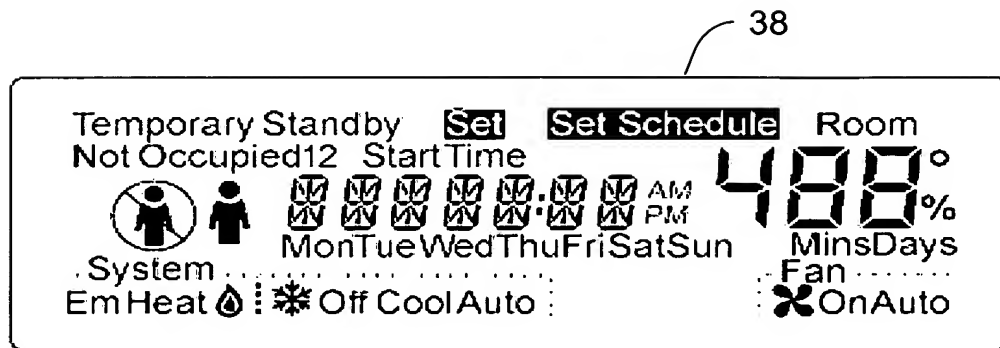


Figure 20A

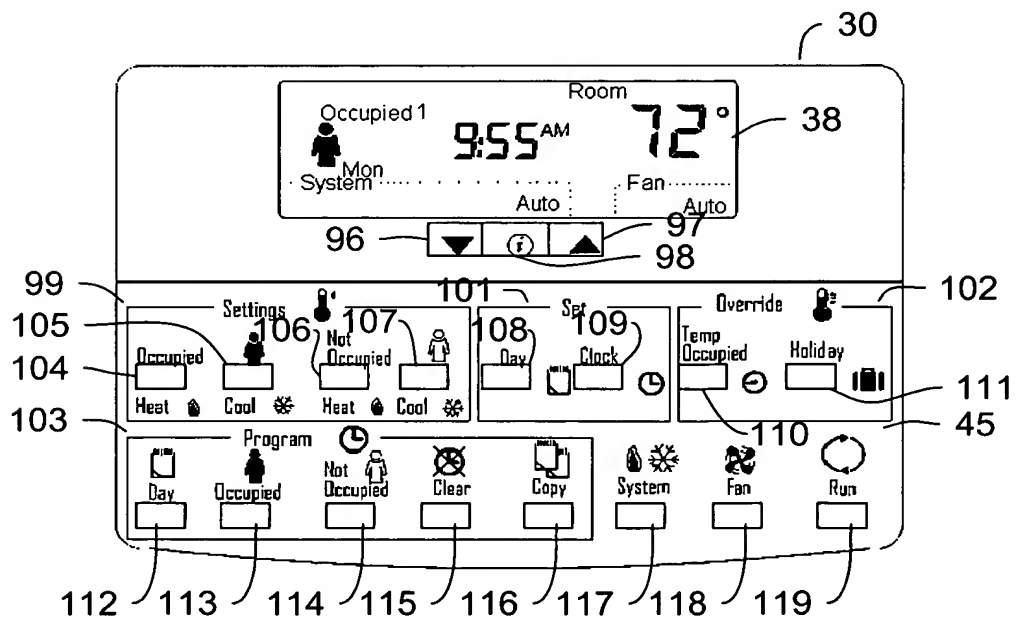
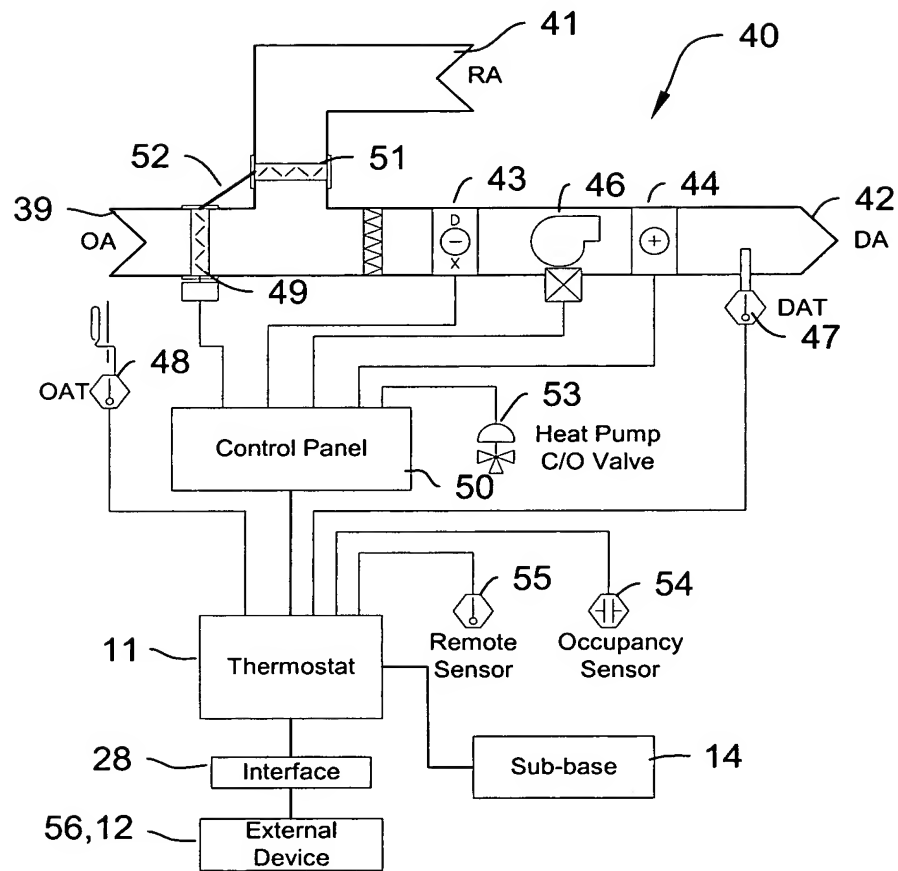


Figure 20B

22/33



*Figure 21*

23/33

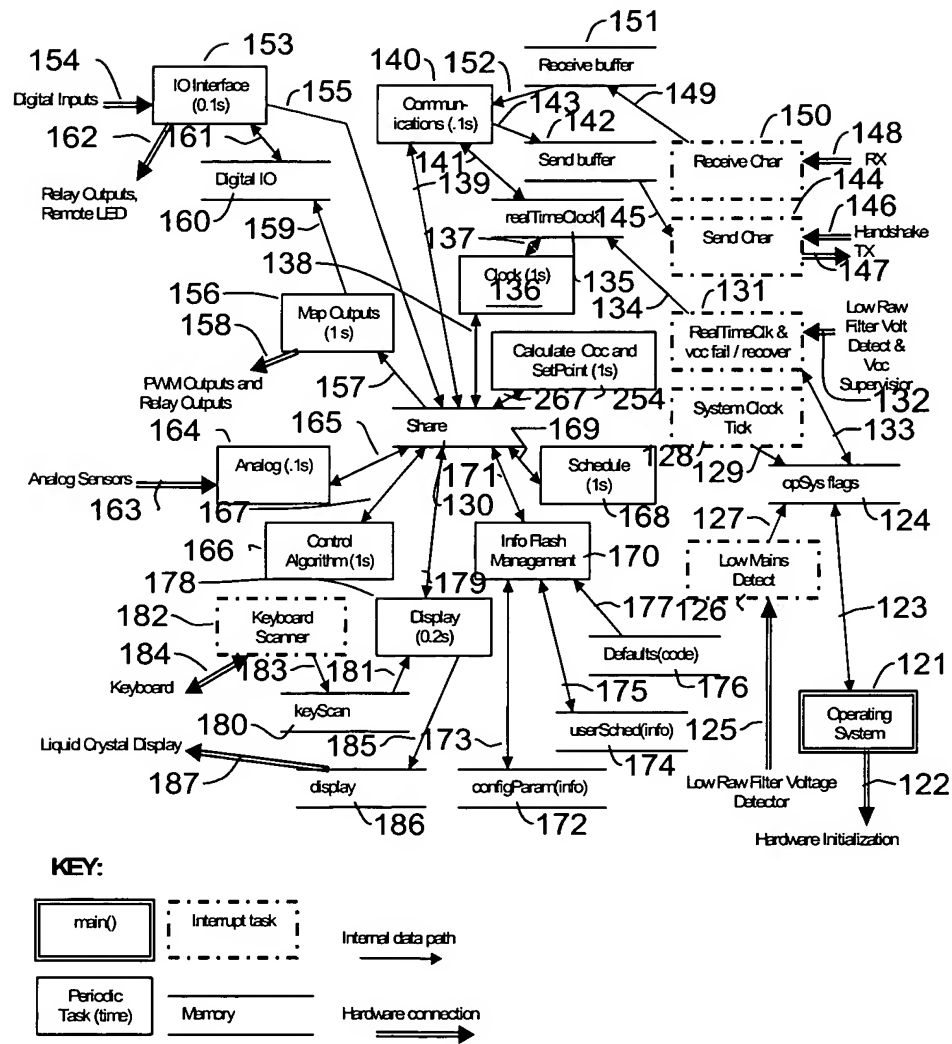


Figure 22

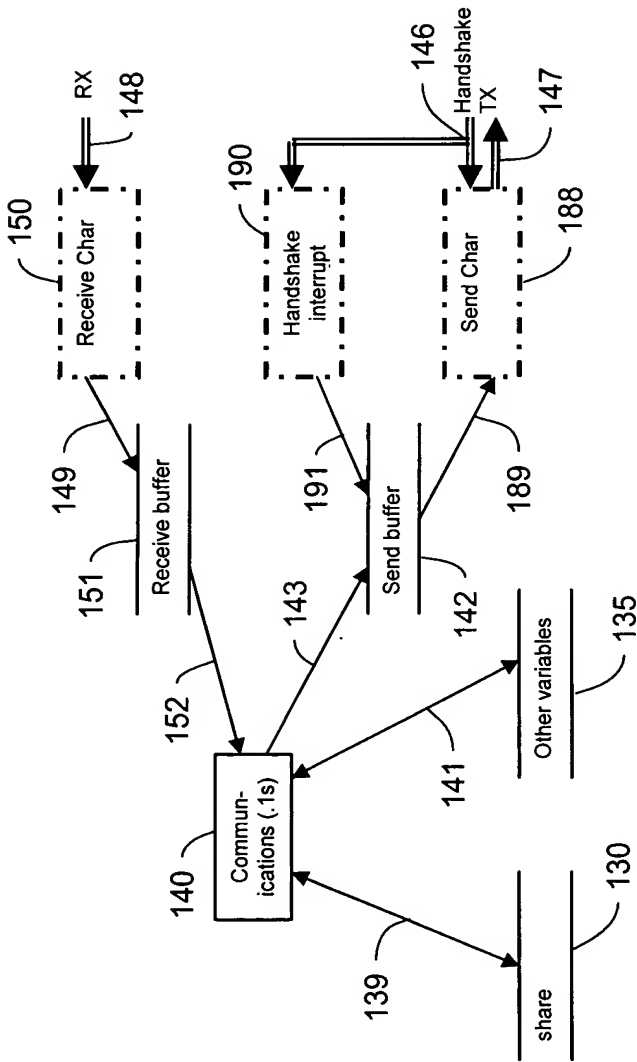


Figure 23



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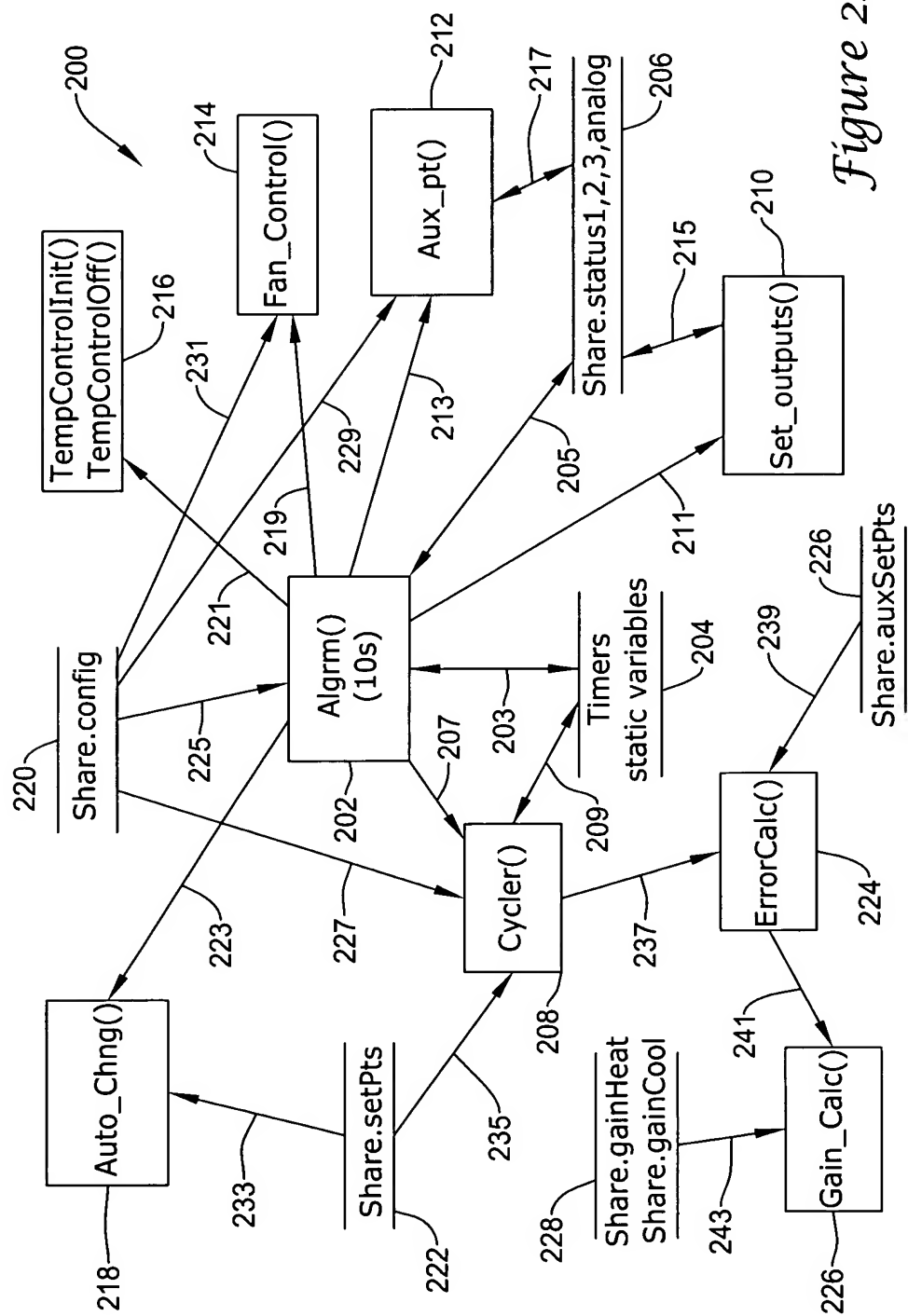


Figure 24

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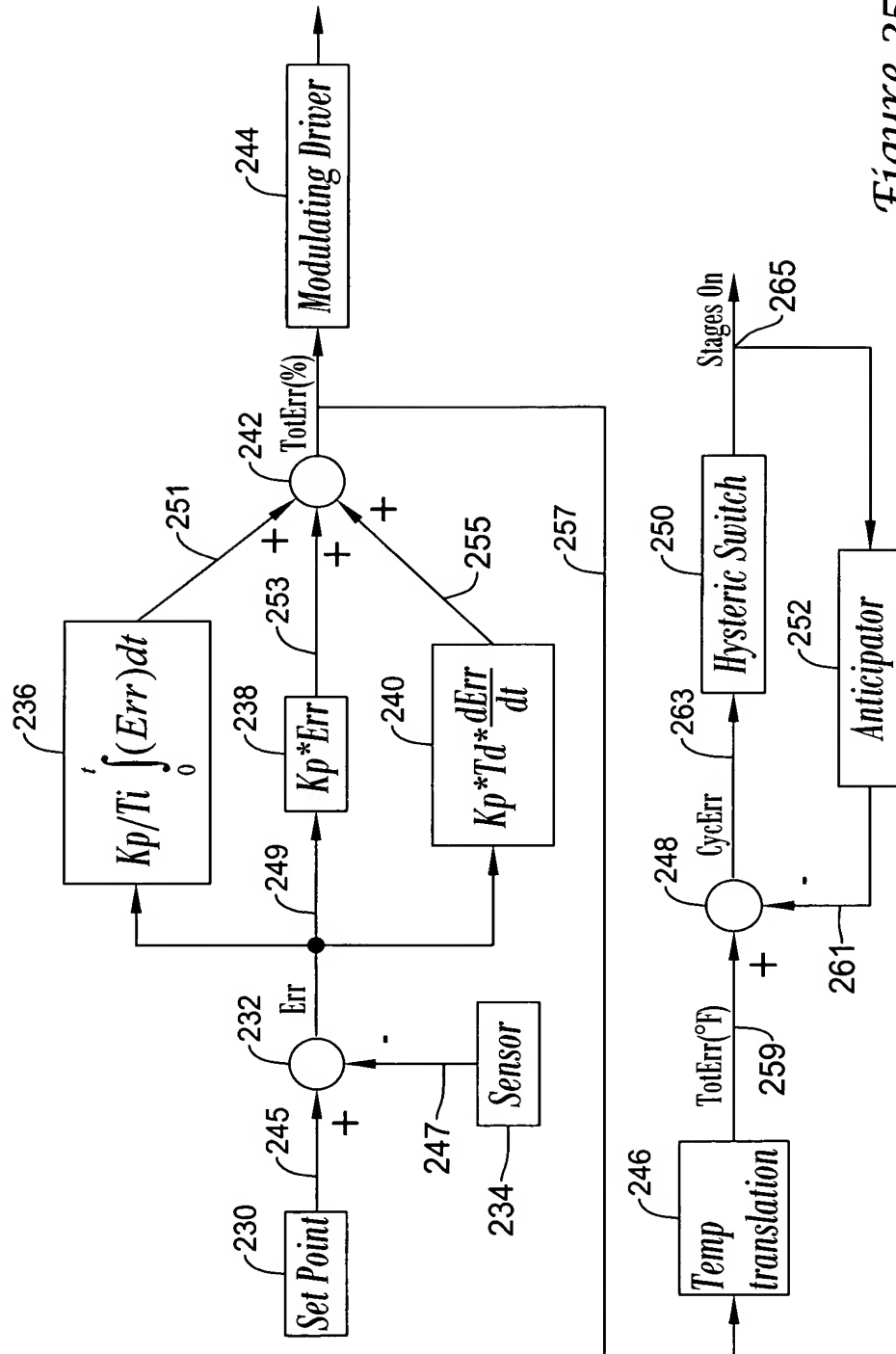


Figure 25A

27/33

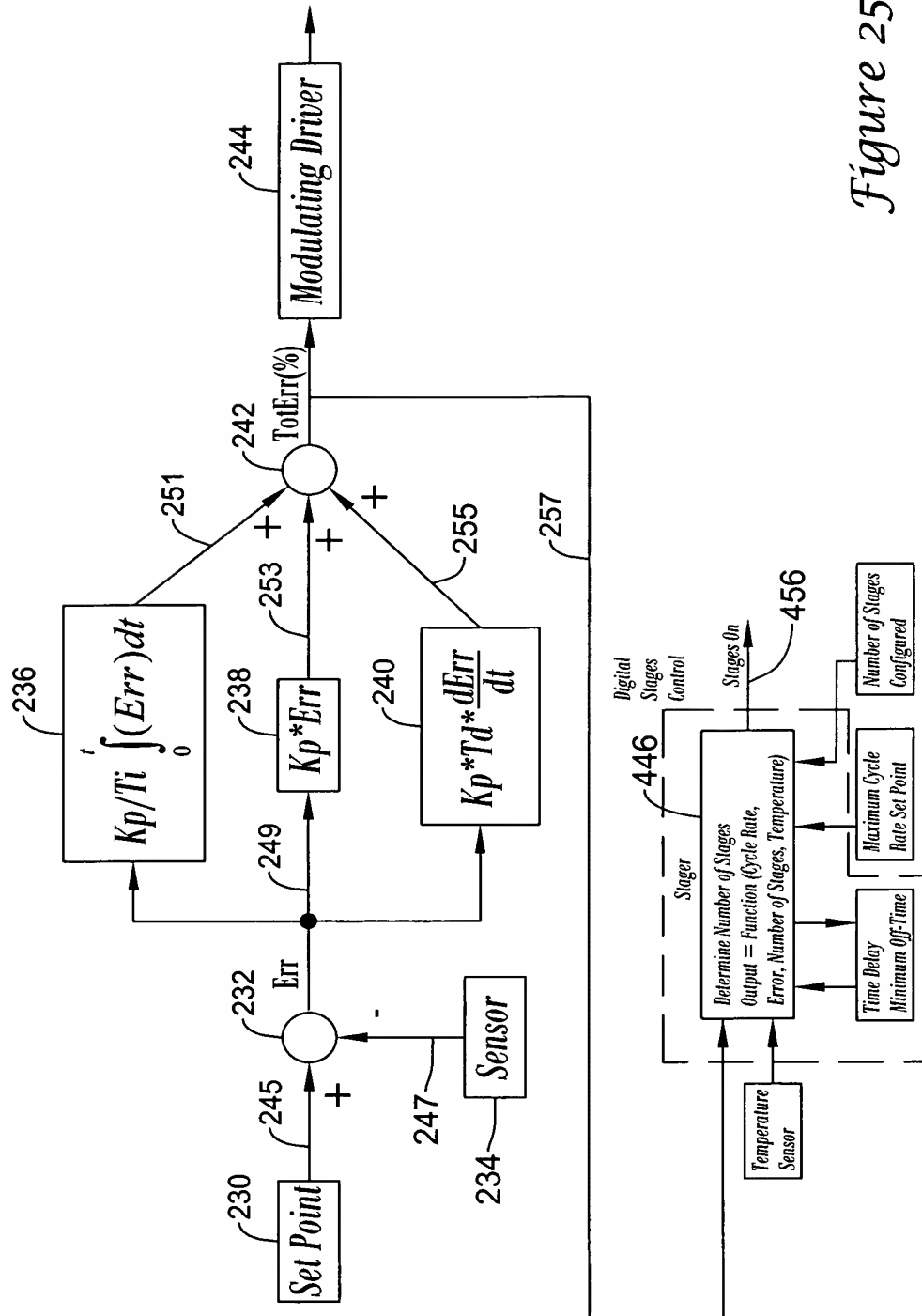


Figure 25B

28/33

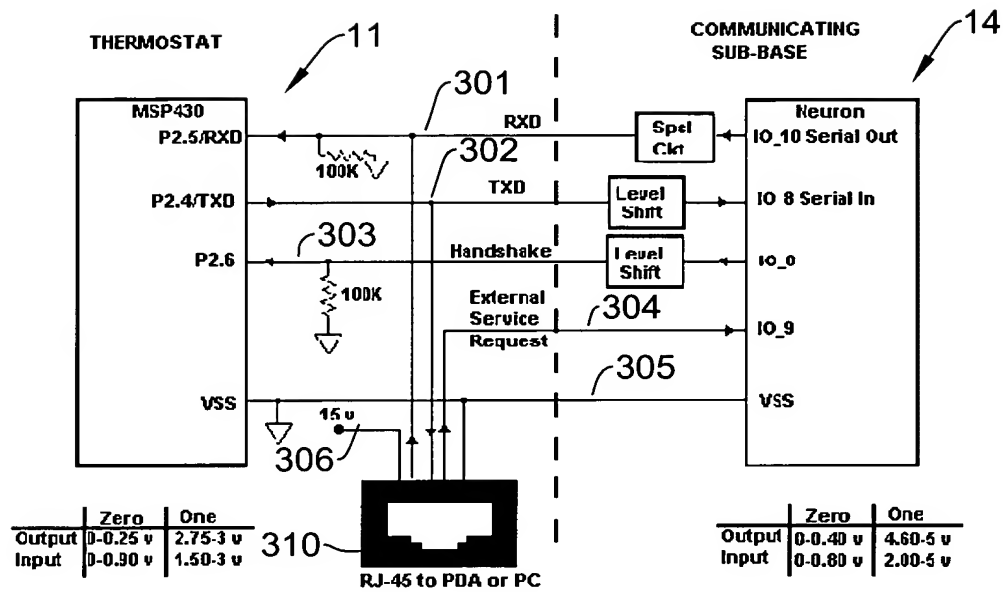


Figure 26

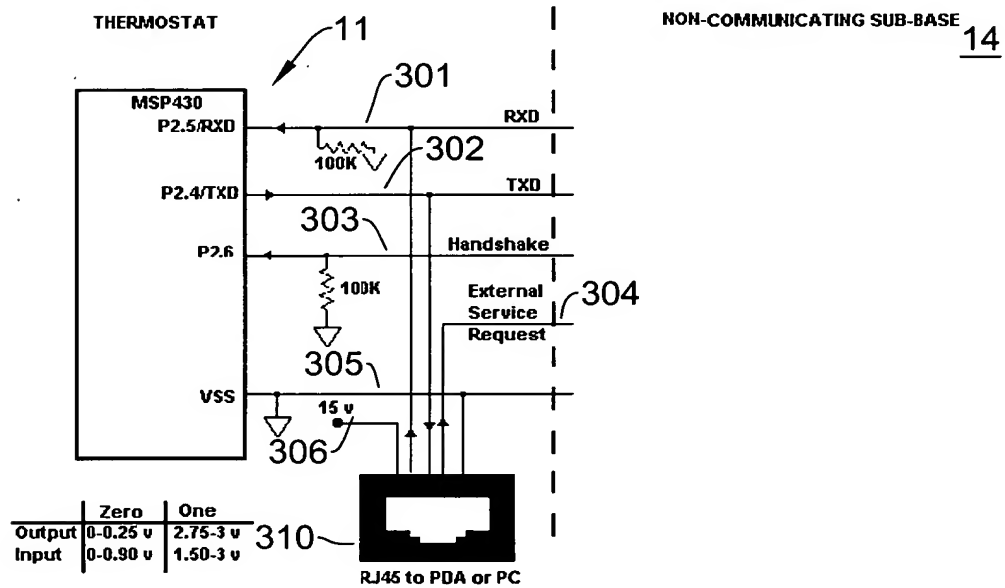


Figure 27

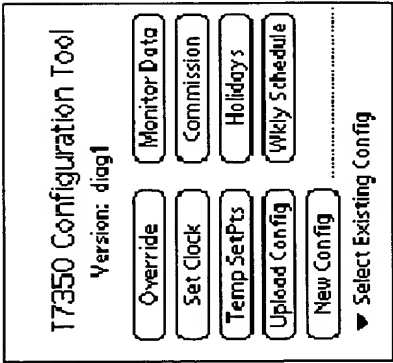


Figure 28A

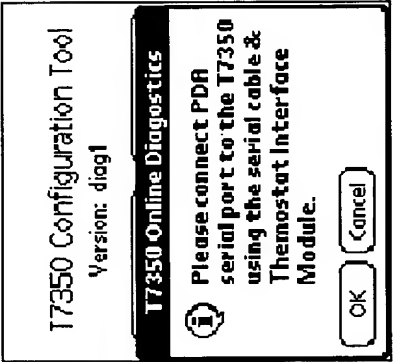


Figure 28B

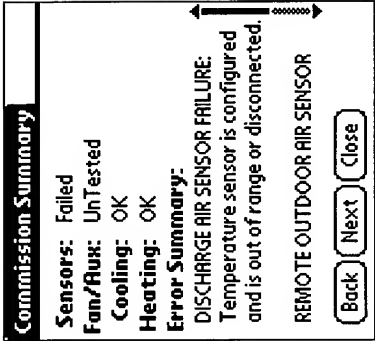


Figure 28C

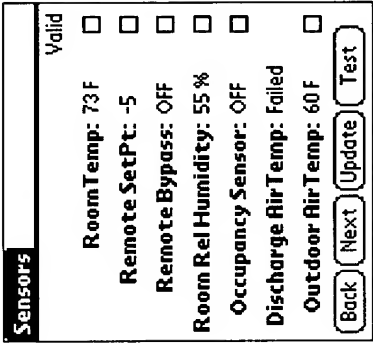


Figure 29A

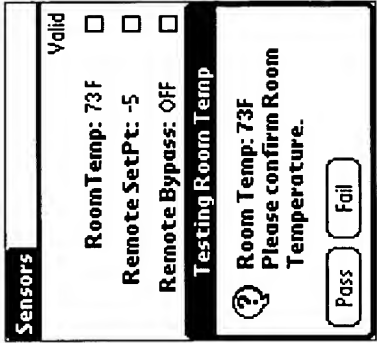


Figure 29B

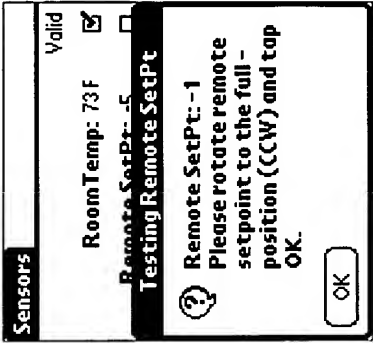


Figure 29C

Sensors

Valid

RoomTemp: 73 F

Testing Remote SetPt

?

Full - setting validated.  
Remote SetPt: -5  
Please rotate remote  
setpoint to the full +  
position (CW) and tap  
OK.

OK

Figure 29D

Sensors

Valid

RoomTemp: 73 F

Remote SetPt: -5

Remote Bypass: OFF

Room Rel Humidity: 55 %

Occupancy Sensor: OFF

Discharge Air Temp: Failed

Outdoor Air Temp: 60 F

Back

Next

Update

Test

Figure 29F

Sensors

Valid

RoomTemp: 73 F

Remote SetPt: -5

Testing Remote SetPt

i

Full + setting validated.  
Remote SetPt: +5  
Setpoint test sequence  
completed.

OK

Figure 29E

Fan/Auxiliary Equipment

Valid

ManualMode: OFF

Fan - G: OFF

TimeOfDay - A1: OFF

Back

Next

Update

Test

Figure 30

Cooling Equipment

Valid

ManualMode: OFF

Fan Status: OFF

Clg Stage1 - Y1: OFF

Clg Stage2 - Y2: OFF

Clg Stage3 - Y3: OFF

Back

Next

Update

Test

Figure 31A

Cooling Equipment

Valid

ManualMode: OFF

Fan Status: OFF

Clg Stage1 - Y1: OFF

Testing Cooling Operation

?

Fan Status: OFF  
Please confirm it is safe  
to start the Fan.

Yes

No

Figure 31B

**Cooling Equipment**

ManualMode: OFF  
Fan Status: OFF Valid ☐  
Clg Stage1 - Y1 : OFF

**Testing Cooling Operation**

? Fan Status: ON  
Please confirm Fan operation.

Pass Fail

Figure 31C

**Cooling Equipment**

ManualMode: OFF  
Fan Status: OFF Valid ☐  
Clg Stage1 - Y1 : OFF

**Testing Cooling Stages**

# of Stages: 1  
DischargeAirT: 78F  
CoilDeltaT: 0F  
Progress: ||.....

Cancel

Figure 31E

**Cooling Equipment**

ManualMode: OFF  
Fan Status: OFF Valid ☐  
Clg Stage1 - Y1 : OFF

**Testing Cooling Stages**

Validated Stage 1  
Cooling Operation  
Progress: |||||.....

Cancel

Figure 31G

**Cooling Equipment**

ManualMode: OFF  
Fan Status: OFF Valid ☐  
Clg Stage1 - Y1 : OFF

**Testing Cooling Stages**

? Fan Status: ON  
# of Stages: 0  
Please confirm it is safe to start Cooling Stages.

Yes No

Figure 31D

**Cooling Equipment**

ManualMode: OFF  
Fan Status: OFF Valid ☐  
Clg Stage1 - Y1 : OFF

**Testing Cooling Stages**

# of Stages: 1  
DischargeAirT: 73F  
CoilDeltaT: 5F  
Progress: |||.....

Cancel

Figure 31F

**Cooling Equipment**

ManualMode: OFF  
Fan Status: OFF Valid ☒  
Clg Stage1 - Y1 : OFF ☒  
Clg Stage2 - Y2 : OFF ☒  
Clg Stage3 - Y3 : OFF ☒

Back Next Update Test

Figure 31H

Heating Equipment	
ManualMode: OFF	Valid
Fan Status: OFF	
Htg Stage1 - W1 : OFF	<input checked="" type="checkbox"/>
<div>BackNextUpdateTest</div>	

Figure 32E

Heating Equipment	
ManualMode: OFF	Valid
Fan Status: OFF	
Testing Heating Stages	
Htg Stage 1: OFF	
Please confirm it is safe to activate Heating Stage contact.	
<div>YesNo</div>	

Figure 32C

Heating Equipment	
ManualMode: OFF	
Testing Heating Stages	
Htg Stage 1: ON	
Please confirm Heating Stage 1 operation. For example, room baseboard heat is activated.	
<div>PassFail</div>	

Figure 32D

Heating Equipment	
ManualMode: OFF	Valid
Fan Status: OFF	
Htg Stage1 - W1 : OFF	<input type="checkbox"/>
<div>BackNextUpdateTest</div>	

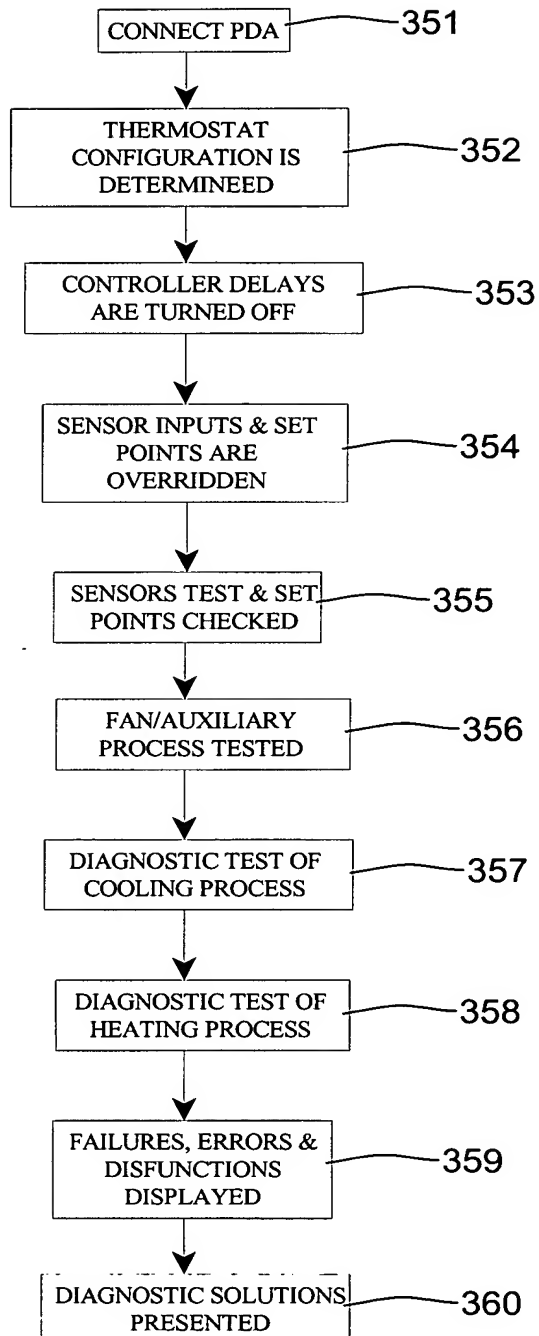
Figure 32A

Heating Equipment	
ManualMode: OFF	Valid
Fan Status: OFF	
Testing Heating Operation	
Fan Status: OFF	
Please confirm Fan air flow is required for stage 1 heating.	
<div>YesNo</div>	

Figure 32B



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*Figure 33*